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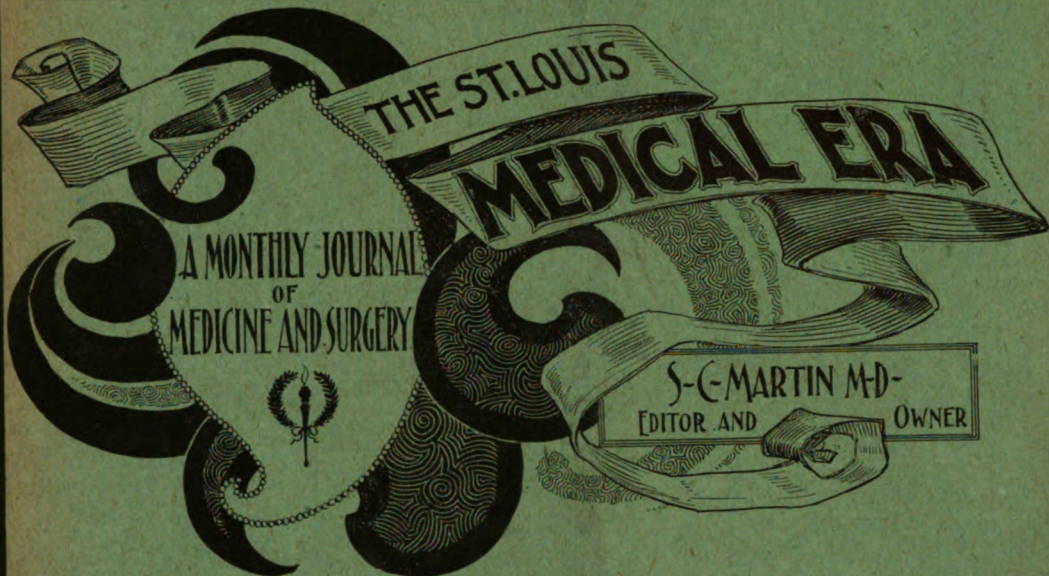
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IN DEFICIENCY OF THE PHOSPHATES, LACK OF NERVE TONE, MALARIAL MANIFESTATIONS, CONVALESCENCE FROM THE EXANTHEMATA, ETC—WILL NEVER DISSAPPOINT.

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TERMS—\$1.00 A YEAR IN ADVANCE IN THE UNITED STATES, CANADA AND MEXICO. FOREIGN SUBSCRIPTION TERMS: ENGLAND, 5 Shillings. FRANCE, 6 Francs. GERMANY, 5 Marks. AUSTRALIA, 5 Shillings. HOLLAND, 3 Florins. JAPAN, 1 Yen.

CLARENCE MARTIN, Manager. Office, 3039 Chestnut Street, St. Louis, Mo., U. S. A.

Vol VI.

OCTOBER, 1896.

No. 2.

NEUROSINE THE STANDARD Hypnotic in the treatment of Nerve Disturbances.
DIOS CHEMICAL CO. ST. LOUIS.

IRON TONIC AND FOOD Ferratin

The Iron Component of all Food.

Physiologically and Therapeutically Tested by

most eminent authorities (Schmiedeberg, Marfori, De Filippi, Jacquet, Einhorn, Chittenden, Fackler, Germain See, etc.), and approved to be the most efficient iron tonic and reconstructive known for the treatment of *Anemia, Chlorosis, Rhachitis, Debility during Convalescence*, etc. It enters the system ready to be, and it is, promptly absorbed and assimilated, promoting blood-formation (increasing the hemoglobin), stimulating the appetite, and restoring good health. Ferratin is entirely free from unpleasant side-effects: it is tasteless; it will not affect the teeth; it is not irritating or astringent, and will not derange the digestive organs; it will not constipate—in short, it is "The Ideal Iron Tonic."

Average Dose, 8 grains ($\frac{1}{2}$ gramme) three times daily for adults; proportionately less for children. Supplied in Powder form and $\frac{1}{2}$ gramme Tablets, in 1 oz. packages, by Druggists Everywhere.

Valuable Clinical Reports mailed free to Physicians on Request.

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 THE WORLD OVER.



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 DISPENSED BY
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"WELL PREPARED!! NUTRITIOUS!! EASILY DIGESTED!!"
 HIGHEST AWARDS WHEREVER EXHIBITED THE WORLD'S COLUMBIAN COMMISSION.

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THIS STANDARD PREPARED

FOOD

IS EARNESTLY RECOMMENDED as a most reliable FOOD for INFANTS, CHILDREN and Nursing-Mothers;—for INVALIDS and Convalescents;—for Delicate and Aged persons. It is not a stimulant nor a chemical preparation; but a PURE, unsweetened FOOD carefully prepared from the finest growths of wheat, ON WHICH PHYSICIANS CAN DEPEND in FEVERS and in all gastric and enteric diseases. It is easily digested, nourishing and strengthening, assists nature, never interferes with the action of the medicines prescribed, and IS OFTEN THE ONLY FOOD THE STOMACH CAN RETAIN.

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LISTERINE is to make and maintain surgical cleanliness in the antiseptic and prophylactic treatment and care of all parts of the human body.

LISTERINE is of accurately determined and uniform antiseptic power, and of positive originality.

LISTERINE is kept in stock by all worthy pharmacists everywhere.

LISTERINE is taken as the standard of antiseptic preparations: The imitators all say, "It is something like Listerine."



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A valuable Renal Alterative and Anti-Lithic agent of marked service in the treatment of Cystitis, Gout, Rheumatism and diseases of the Uric Diathesis generally.

DESCRIPTIVE LITERATURE UPON APPLICATION.

LAMBERT PHARMACAL CO., St. Louis.

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NOT A PATENT MEDICINE.

HAGEE'S CORDIAL OF COD LIVER OIL COMP isn't a patent medicine. It was prepared, and is sold, for the use of physicians. It is an absolutely reliable preparation of Cod Liver Oil. It can be used in every case where Cod Liver Oil is indicated. *It can be used in the Summer just as well as in the Winter.* It is a *thin fluid cordial*—perfectly palatable, and free from all suggestions of oily or fishy flavors.

We need not tell you when Cod Liver Oil is necessary. We need not recall the discouraging difficulties that accompany the administration of ordinary emulsions. Our message is simply this: In **Hagee's Cordial of Cod Liver Oil Comp.** we get every beneficial active principle of the finest and purest Norwegian Cod Liver Oil, together with hypophosphites of lime and soda, in a form that can be administered in every case without hesitation.

Each fluid ounce represents 83 per cent. pure Norwegian Cod Liver Oil, with 6 grains hypophosphite of lime and 3 grains hypophosphite of soda, with aromatics.

Druggists keep it, but we will be glad to send to physicians not acquainted with it, who will pay express charges, a full size (16 oz.) bottle for trial.

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Uniformly Effective, Agreeable and Lasting,—the Standard Preparation of Erythroxylon Coca

During past 30 years
most popularly used
Tonic-Stimulant in
Hospitals, Public and
Religious Institutions
everywhere.



We have received
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endorsements from
**PROMINENT PHYSI-
CIANS** in Europe and
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"MARIANI WINE"

FORMULA : The concentrated extract—the aromatic principle of the fresh Coca Leaf,
blended with a special quality of grape juice of southern France.

DOSE : Wine-glassful three times a day, or more or less at Physician's discretion.

Nourishes - Fortifies - Refreshes
AIDS DIGESTION - STRENGTHENS THE SYSTEM

AGREEABLE TONIC-STIMULANT WITHOUT UNPLEASANT REACTION.

To avoid disappointment please specify "Vin Mariani."

SOLD AT ALL PHARMACIES.

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STERILITY.

I know of nothing with which I have had better success, in treating the various diseases peculiar to the female, than ALETRIS CORDIAL. I have used it in amenorrhea and dysmenorrhea, with excellent results, and also in ovarian and uterine congestion, whether from cold or otherwise, I know of no better remedy. Mr. L. consulted me about his wife. Had been married four years and had no children. He was a strong, healthy man, about 28 years of age, and his wife 24. He was very anxious that there should be an increase in the family, and had two other physicians at different times, giving her medicine for that purpose. I ascertained that she suffered very much with her menses, and frequently had to take to her bed during the time. They were sometimes very scant, and at others very profuse. When consulted it was a week before her menses should appear. Prescribed:

R. Aletris Cordial..... 8 ounces.

Sig. One teaspoonful three times a day.

The husband reported that his wife had the easiest time she had ever experienced, and suffered no pain. When the next time came, the menses did not appear; two bottles of ALETRIS CORDIAL were taken, and in regular time they were made happy by the advent of a bright, bouncing girl. The above is one of several cases of the same kind I have had in my practice. I have been prescribing ALETRIS CORDIAL in my practice for about five years, and from its use during that time I have certainly had an opportunity of testing it very well, both singly and combined. When treating females of a weak, nervous and hysterical condition, caused from uterine derangements, the following will relieve in nearly every case:

R. Aletris Cordial..... 8 ounces.

Celerina 8 ounces.

M. Sig. Two teaspoonfuls three or four times a day.

JAS. P. PEELER, M. D., Kissimmee City, Fla.

A full size bottle of ALETRIS CORDIAL will be sent FREE to any Physician wishing to test it if he will pay the express charges.

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THE HEPATIC STIMULANT

Is prepared from *Chionanthus Virginica*, for physicians' prescriptions, and has been proven **the remedy** for *Biliousness, Jaundice, Dyspepsia, Constipation*, and all diseases caused by *Hepatic Torpor*.

Its action is that of an hepatic stimulant, and not that of a cathartic. It does not purge, *per se*, but under its use the Liver and Bowels gradually resume their normal functions.

Dose—One to two fluid drachms, three times a day.

PEACOCK'S BROMIDES,

THE IDEAL SEDATIVE

Is prepared exclusively for physicians' prescriptions, each fluid drachm representing 15 grains of combined **chemically pure** Bromides of Potassium, Sodium, Calcium, Ammonium and Lithium. It is indicated in *Uterine Congestion, Headache, Epilepsy*, and all ***Congestive, Convulsive and Reflex Neuroses***.

It is **absolutely uniform** in purity and therapeutic power, and can always be relied upon to produce clinical results which can not possibly be obtained from the use of commercial bromide substitutes.

Dose—One to two fluid drachms in water, three times per day.

A full size half-pound bottle of each FREE to any physician who will pay express charges.

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ST. LOUIS, MO.

SENG, CACTINA PILLETS.

THE DIGESTIVE SECERNENT.

ACTIVE CONSTITUENTS OF PANAX SCHINSENG
(MANCHURIA) IN AN AROMATIC ESSENCE.

For **Indigestion and Malnutrition.**

Specially indicated in **Phthisis and all Wasting Diseases.**

Dose—One or more teaspoonfuls three times a day. For babies, ten to fifteen drops during each feeding.

INDICATED IN

ABNORMAL **HEART** ACTION.

GIVEN WITH ANTIPYRETICS
TO PREVENT CARDIAC DEPRESSION.

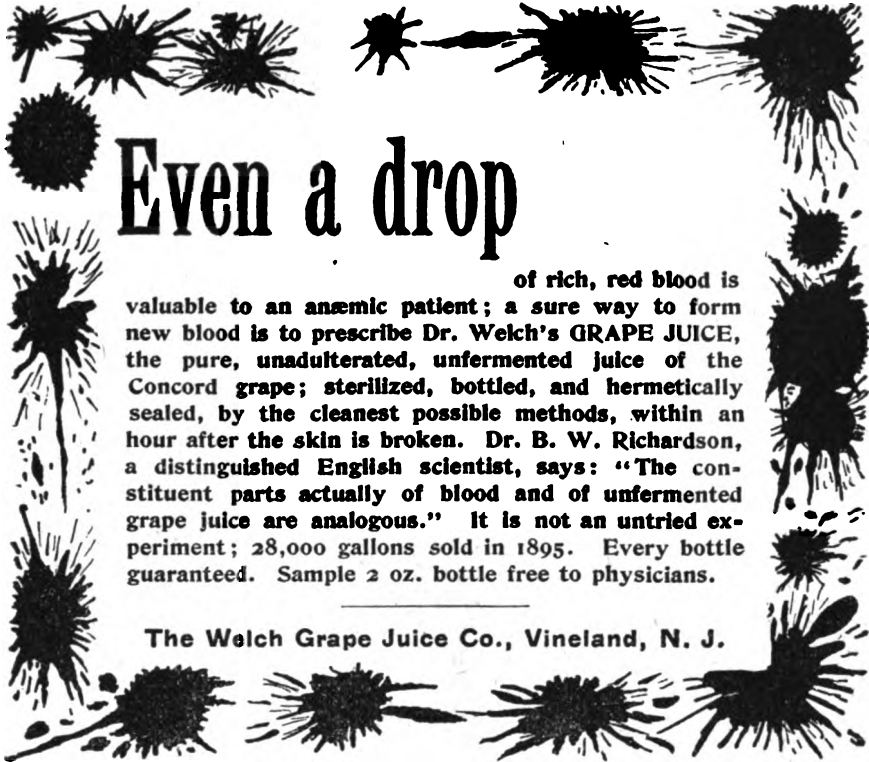
Each pillet represents one one-hundredth of a grain of Cactina—the active proximate principle of *Cactus Mexicana*.

Dose—One Pillet every hour, or less often, as indicated.

Samples sent to any Physician who will pay Express Charges.

SULTAN DRUG CO., St. Louis and London.

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Even a drop

of rich, red blood is valuable to an anæmic patient; a sure way to form new blood is to prescribe Dr. Welch's GRAPE JUICE, the pure, unadulterated, unfermented juice of the Concord grape; sterilized, bottled, and hermetically sealed, by the cleanest possible methods, within an hour after the skin is broken. Dr. B. W. Richardson, a distinguished English scientist, says: "The constituent parts actually of blood and of unfermented grape juice are analogous." It is not an untried experiment; 28,000 gallons sold in 1895. Every bottle guaranteed. Sample 2 oz. bottle free to physicians.

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FROM COMMON OATS.

A POWERFUL NERVE STIMULANT, TONIC, ETC.

Is also employed in the treatment of

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DOSE:—From ten to thirty drops or more, as often as may be indicated to meet the urgency of the case. Administer in hot water when quick action is desired.

2 oz. 45c. 4 oz. 75c. 8 oz. \$1.35. 16 oz. \$2.50. 5 lb. \$12.00.

MESS. B. KEITH & CO.

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Established 1852.

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The ideal safe family laxative, known as "SYRUP OF FIGS," is a product of the California Fig Syrup Co., and derives its laxative principles from senna, made pleasant to the taste, and more acceptable to the stomach, by being combined with pleasant aromatic syrups and the juice of figs. It is recommended by many of the most eminent physicians, and used by millions of families with entire satisfaction. It has gained its great reputation with the medical profession by reason of the acknowledged skill and care exercised by the California Fig Syrup Co. in securing the laxative principles of the senna by methods of its own, and presenting them in the best and most convenient form. The California Fig Syrup Co. has special facilities for commanding the choicest qualities of Alexandria senna, and its chemists devote their entire attention to the manufacture of the one product. The name "SYRUP OF FIGS" means to the medical profession the "family laxative, manufactured by the California Fig Syrup Co.," and the name of the Company is a guarantee of the excellence of its product. Informed of the above facts, the careful physician will know how to prevent the dispensing of worthless imitations when he recommends or prescribes the original and genuine "SYRUP OF FIGS." It is well known to physicians that "SYRUP OF FIGS" is a *simple, safe and reliable* laxative, which does not irritate or debilitate the organs on which it acts, and, being pleasant to the taste, it is specially adapted to ladies and children, although generally applicable in all cases. Special investigation of the profession invited. :: :: :: ::

"SYRUP OF FIGS" is never sold in bulk. It retails at fifty cents per bottle, and the name "SYRUP OF FIGS," as well as the name of the California Fig Syrup Company, is printed on the wrappers and labels of every bottle.

CALIFORNIA FIG SYRUP CO., San Francisco, Cal.; Louisville, Ky.; New York, N. Y.

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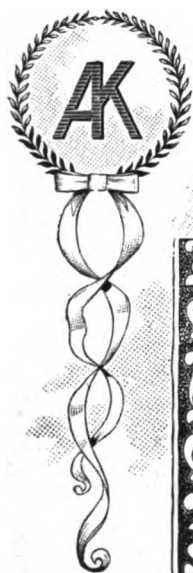
A PERFECT DIGESTANT

Peptenzyme is a prompt and effective physiological remedy for all forms of Dyspepsia, Vomiting, Cholera Infantum, Malnutrition, etc., as it contains all the ferments furnished by nature for the perfect digestion of all kinds of food.

Peptenzyme also contains the *Osmogen* or *Embryo Ferments*, from which spring the matured or active ferments. By the appropriation of these undeveloped ferments the different organs of digestion are strengthened and stimulated to greater activity, so that they are afterwards able to supply the proper amount and quality of digestive secretions. The immediate effects noted are improvements in appetite as well as digestion.

Samples and literature mailed free to any physician, also our new edition of Diet Tables.

REED & CARNRICK, New York



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A SUCCEDANEUM FOR MORPHIA.

Antikamnia

OPPOSED TO PAIN.

OUR PREPARATIONS

- ANTIKAMNIA (FINELY POWDERED),
- ANTIKAMNIA TABLETS,
(1 gr., 2 gr., 3 gr., 5 gr. or 10 gr. each.)
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(4½ gr. Antikamnia, ¼ gr. Sulph. Codeine.)
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(2½ gr. Antikamnia, 2½ gr. Sulph. Quinine.)
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(2½ gr. Antikamnia, 2½ gr. Salol.)
- ANTIKAMNIA, QUIN. AND SALOL TABS.,
(2 gr. Antikamnia, 2 gr. Sulph. Quinine, 1 gr. Salol.)

GIVES
RESULTS
WITH
SAFETY,
CERTAINTY,
ACCURACY,
CELERITY.

ACTION, INDICATIONS, HISTORY, ADMINISTRATION

Send your Professional Card for Brochure and Samples to

THE ANTIKAMNIA CHEMICAL COMPANY, St. Louis, Mo.,

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BRAUNSCHWEIGER MUMME.

A PURE MALT EXTRACT.

PALATABLE AS WELL AS NOURISHING.

An Agreeable Beverage that is also a Nutrient Tonic.



THE BRAUNSCHWEIGER MUMME is made from roasted malt, by a process of natural fermentation, which produces a pleasant, highly nourishing malt extract, containing the smallest percentage of alcohol and the largest amount of extract of any liquid malt on the market. An effective Tonic and at the same time a mild stimulant and agreeable Beverage, it is tolerated by the weakest stomach and is a substitute for solid food in cases of acute disease, and a valuable aid to digestion in all chronic conditions indicating mal-assimilation of food. Nursing mothers, convalescents and victims of insomnia or nervous disorders resulting from impaired digestion or overwork, will find that a bottle of Braunschweiger Mumme taken with each meal will stimulate digestion, while a bottle taken before retiring will induce quiet, restful sleep. It preserves and strengthens the well and restores the sick.

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Ready September 1st.

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WITH

Wine of Pepsin.

Samples and Literature on Application.

THE MALTINE MANUFACTURING CO.,
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Translated from the German.

"METCALF'S COCA WINE owes its wide spread popularity to several advantages which it possesses over others, among the most noteworthy are the following:

First of all as to the material used. Most Coca Wines upon the market contain very little or no coca at all, while **Metcalf's Coca Wine** is prepared from the fresh coca leaves, an advantage that no physician who places any reliance on the results of medication will gainsay. The grape wine used is exceptional in its aroma and challenges comparison.

Too much stress cannot be laid upon the manner in which **Metcalf's Coca Wine** is manufactured. The point of a coca wine (to have it such, in the true sense of the term), lies in the proper combination of the ingredients and when in correct proportions it is an incomparable tonic, a sure anodyne and acceptable nutrient.

Metcalf's Coca Wine has been turned to as a last resort in thousands of cases, especially in general debility following fevers it works wonders.

We may resort to this wine (whose chemical purity is procured by sparing neither pains nor money), as an article of the best possible quality that can be offered, that wins for itself daily, a greater number of friends among physicians."

OTTO HENGST, M. D.

October 26, 1895.

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One box of our "Standard Preparations" containing two full sized bottles of **Kola-Koloid**, **Liq. Pancreaticus**, **Burnett's Cod Liver Oil**, **Wine of American Ash**, **Lime Water Tablets**, and **Wine of Coca**, together with two full sized packages of **Gluten Flour**, and **Soja Bean Meal**, selling at retail for \$15.00, will be sent to any physician in *active practice*, delivered free, provided five dollars (\$5.00) are forwarded with the request. Only one box will be sent to each doctor.

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Over 3000 formulas are now available to Physicians in

FRASER'S TABLETS,

the safest and most acceptable form in which medicine can be dispensed or administered.

FRASER'S CHAMOMILLA COMP.

NOT A NUTRIENT but a diffusible NERVE TONIC, which fits the system for the assimilation and absorption of a nutrient.

THE IDEAL TONIC

and restorative in prostration resulting from Business Cares, the exertions or dissipations of Social Life, or in Convalescence from acute disease.

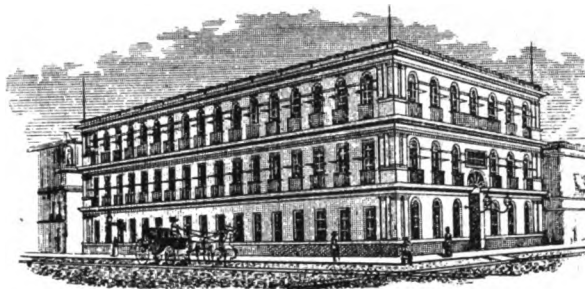
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In the Center of the City.

Two Blocks from the National Palace
Surrounded by Tramways.

Richly fitted up with all new improvements. Elegantly furnished. Very comfortable for travelers. Suitable for families or ladies.

OCCUPIES A WHOLE SQUARE.

Each apartment has a view to the street, is well ventilated, independent and has a sleeping and a reception room, nicely arranged.

APARTMENTS FOR FAMILIES.

Running water in each room.

A First-Class Restaurant. Parlours. Hot and Shower Baths. Hair Dressing-Rooms.

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BEST ATTENDANCE.

MODERATE PRICES.

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Arnold Steam Sterilizers

at Hospitals and in their offices, for Sterilizing Instruments, Dressings etc., and recommending the Family Sizes to their patients for Sterilizing or Pasteurizing milk.

We make Sterilizers for every purpose, and have circulars giving complete information. Address,

WILMOT CASTLE & CO.

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Epilepsy or Fits.

A specific that will positively cure Fits, Convulsions, St. Vitus' Dance, Hysteria and all Nervous Diseases.

For prices and treatise, address, with stamp,

Dr. W. TOWNS,

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Do not give up that case of

ECZEMA

Doctor, without trying **NOITOL**, now recognized as the almost infallible remedy in all forms of skin diseases.

Saw Palmetto Compound

For Genito-Urinary Affections

Contains Saw Palmetto, Santal, and Corn Silk in an agreeable vehicle. Invaluable in Prostatic Troubles, Ovarian Pains, Irritable Bladder, Pre-Senility, Difficult Micturition. Samples of above sent on application to

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We make a full line of Pharmaceuticals.

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"Marvelous Discovery."

BATTLE & Co., St. Louis.

You kindly sent me a bottle of Papine some time ago, and as I am rather slow to adopt new remedies, having seen so many come and go, and no good, I did not use the Papine for some time, but finally I did try it, and to my general satisfaction. I have used several bottles, and consider it your greatest success. I find it to relieve pain like other opiates where nothing but opium will relieve, and without nausea or any disturbance of the digestive system. Recently, I have had a patient under a surgical operation, who suffered pain for nearly a week. I used at first a hypodermic injection of morphine and atropine, but the nausea and vomiting were severe, and the patient informed me that any preparation of opium always caused nausea and all its attendant distress. I then gave Papine regularly whenever she needed it, with perfect relief of the pain, with no nausea or any unpleasant effects whatever. I consider your discovery of Papine a marvelous success in therapeutics. If you keep the quality up to the standard, it will only require a trial by any intelligent physician to make it, as Dr. Bedford used to say, his sheet anchor for the relief of pain.

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236 Clarendon Street, Boston, Mass.



DR. J. FEHR'S "Compound Talcum" "Baby Powder,"

THE
"Hygienic Dermal Powder"

—FOR—
INFANTS AND ADULTS,

Originally Investigated and its Therapeutic Properties discovered in the year 1868
by Dr. FEHR, and introduced to the Medical and the
Pharmaceutical Profession in the year 1873.

COMPOSITION:—Silicate of Mag-
nesia with Carbolic and Salicylic
Acids.

PROPERTIES: Antiseptic, Anti-
zymotic and Disinfectant.

USEFUL AS A

GENERAL SPRINKLING POWDER,

with positive Hygienic, Prophylactic, and Therapeutic properties.

Good in All Affections of the Skin.

Sold by the Drug Trade, Wholesale
and Retail, generally.

Per box, plain, 25c.; perfumed, 50c.
Dozen, " \$1.75; " \$3.50

THE MANUFACTURER:

JULIUS FEHR, M.D., Ancient Pharmacist,

Advertised only in Medical and Pharmaceutical publications.

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FOR THE 

PAN-AMERICAN MEDICAL CONGRESS

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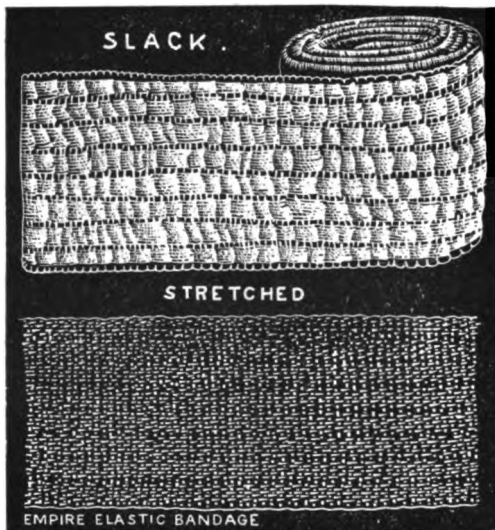
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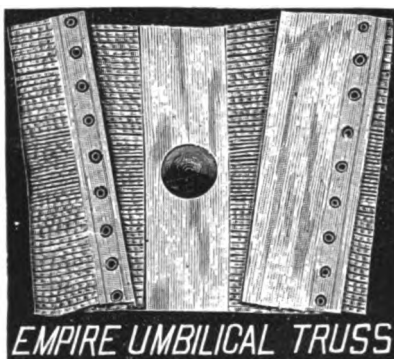
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ASEPSIS ANTISEPSIS.—ITS DEVELOPMENT AND RELATION TO MODERN MEDICINE AND SURGERY.

By H. P. WELLS, M. D.

To quote the words of Dr. Pepper in his presidential address before the Pan American medical congress, "Modern medicine has made more advancement in the last twenty years than in the twenty centuries preceding." Whence this great disparity in the relative progress of the ages in an art which has ever been an important factor in the consummation of human happiness. We note with wonder the skill displayed by the Chinese for ages past in the manufacture of articles of trade; we read of the architecture and astronomical science of the ancient Assyrians and Egyptians hundreds of years before the Christian era; we are amazed at their stupendous works,

approaching the grandeur of Nature herself, and their feats of engineering which still stand as unsolved problems to modern civilization.

In view of the powers and aptitudes of the ancients it is well nigh inexplicable that medical science in those days did not achieve a development commensurate with that of other intellectual pursuits. True the delvers in ancient lore have discovered here and there among the Egyptians, Phœnicians and Assyrians evidence of some conception of scientific truths and natural laws, which, had it not been stifled by the superstition of the time might have heralded a new era of advancement in the art of healing.

But in those days of high development in other fields the medical art was fettered by the bonds of mysticism and superstition, welded by a crafty priesthood ever ready to construe independence of thought into a threatened encroachment upon their arrogated prerogatives.

Few great discoveries or epoch-making inventions have been the product of one brain. Occasional glimpses of the truth illumined the minds of many men until in the fullness of time the various steps of preparation for the event culminate in the actual discovery.

Newton was not the first to discover that bodies losing their support fall to the ground, but he was the first to demonstrate the law by which this phenomenon is governed, and that chapter alone was enough to render his "Principia" immortal. Just so Joseph Lister was not the discoverer of the principles of antiseptis. But for his patient investigations we owe him a debt of gratitude as great as to any other single individual, and the laurel was never more fitly placed upon the brow of achievement than when Sir Joseph Lister was knighted by the British crown.

The Egyptian art of mummifying their dead, which was a process of rendering the body aseptic, or impenetrable to putrefactive micro-organisms by antiseptic resins, balsams and aromatics, suggested an idea of a disturbing element in the atmosphere—or that the atmosphere itself acted destructively on the dead animal organism. In the latter idea they have many disciples among intelligent people of to-day; for what is more common than the fear of "taking cold" from exposure to the air, and in cases of wounds how general the practice of

covering the injured part as quickly as possible to shut out the offending agent, unconscious that the infinitesimal organisms which find their way into the wound through the medium of the atmosphere, or a dirty dressing, are responsible for the inflammation and suppuration which often supervene in comparatively simple injuries.

It is probable, however, that the ancients practiced their art of embalming with only an empirical knowledge, knowing the conditions necessary to success, but not the reasons. The development of their art to its ultimate capabilities remained for modern times, when ancient and medieval science had advanced from the obscurity of a groping empiricism to the broad light of knowledge based upon diligent inquiry and comparison of ascertained facts.

The discovery of the actual existence of minute animal and plant life may be said to have been made by Anthony Von Leuwenhoek in 1675. He observed by the aid of a simple lens multitudes of animalculæ swarming in a drop of water, which by chance he had placed under his glass. In 1683 he discovered moving bodies in the mucous of the mouth, and in tartar from the teeth. The astute old scientist had little idea of the importance of his discovery to medical science, but he laid the foundation for subsequent discoveries upon which nearly all of modern practice is founded.

Passing over a period of two hundred years, during which but little was done to elaborate the hint given by Leuwenhoek's discovery, we come to what might be called the Listerian epoch. Scientific discoveries and zealous investigations had prepared the minds of medical men to profit by Lister's observations, and thenceforward followed in rapid succession the most brilliant achievements of modern medicine, surgery and obstetrics.

In the London Lancet of July 27th, 1867, there appeared an article by Joseph Lister entitled "A New Method of Treatment of Hernia in the Presence of Atmospheric Air." This was the first step taken by him in many brilliant results which speedily followed. A few months later he wrote an article on "Antiseptic Principles in the Treatment of Wounds." This article marked the beginning of the true antiseptic era, and was the occasion of the first use of the word Antiseptic in the sense of *opposed to putrefaction*.

The substance of Lister's conclusions on the essentials of the subject which was now engrossing the minds of many eminent men in the profession, is shown from the following quotation from his paper:

"Decomposition in a wound, and affections of wounds due to decomposition, are intimately connected with micro-organisms, from without. The treatment and dressings should be such as to prevent the entrance of micro-organisms, or when these have entered, despite all care, they should be such as to kill or render them incapable of harm. The dressings and substances used for dressings should not irritate in the least, or at the worst but very slightly."

Lister's first and favorite antiseptic was carbolic acid, and his dressings of gauze, cotton, wool, etc., were soaked in it. Others contemporary with him had observed that uncleanness in surgery was fatal to success, and sometimes to life, but although Heuter in 1643 had said laconically, "no germs, no pus" and Schwan of Berlin, in 1837 published a remarkable series of observations on the putrefaction of dead animal tissues, proving the active agency therein of microscopic life in the atmosphere, none, like Lister, had yet collated all the known facts and phenomena, condensed and focused them into a grand axiom, and then discovered a means to coin the erstwhile useless knowledge into balm for suffering mankind. The limited scope of this article precludes mention of other savants, such as Pasteur, Koch, Sternberg and Baumgarten who achieved distinction in the same field.

Asepsis is absolute surgical cleanliness or the entire absence of germ life from wounds. Antisepsis is the method by which this condition is obtained.

Asepsis is the ideal thing, but it is possible in very few cases, especially the accidental, without the aid of antiseptic measures. They bear to one another the intimate relation of cause and effect. It would be difficult to say where one begins and the other ends, for even in so-called aseptic surgical procedures antisepsis is made use of in the shape of moist and dry heat, or sterilization.

Most wounds are contaminated before coming under the care of the surgeon, and so insidious may be the onset of infection that it behooves us in all cases to use every means available to prevent it.

The relative value of different antiseptics is a mooted question. Lister used carbolic acid in his first experiments, and pronounced it the best agent yet discovered. His faith in its efficacy was not at any time weakened during the twenty-five years in which he was busily engaged in search for the ideal antiseptic, and in 1893 carbolic acid received renewed prominence by the announcement of his complete and unqualified abandonment of corrosive sublimate in favor of his first choice.

Some of the advantages of carbolic acid are that it mixes with all the bodily secretions, thus penetrating all parts of a wound, and insuring perfect disinfection; (this is not true of mercuric chloride which is neutralized by albuminous solution). It has powerful affinity for epidermis which facilitates its penetration of the skin; it is also anesthetic in its effect. This latter property recommends its use in those infectious cases with pain as a prominent symptom, such as erysipelatous and phlegmonous cellulitis, lymphangitis and adenitis, etc. A 1:40 or 2:½ per cent. solution applied in the form of a poultice, is the strength used.

An objection which has been raised to carbolic acid is that in aqueous solutions it irritates the skin or wound to which it is applied. But this objection has been overcome.

To be effective as germicides solutions of carbolic acid should be at least 2:½ per cent. strong. Davaine showed that 1 per cent. would destroy the bacillus anthracis in one hour. Sternberg and Bolton found that 1 per cent. destroyed the streptococcus pyogenes (the pus coccus causing putrefaction.—the chief foe of surgeons) in two hours. But such experiments are conducted under circumstances favorable to the exercise of the maximum capability of the agent used.

Many compounds and derivatives of carbolic acid have been put on the market during the last few years, such as creoline, chloro-phenol, bromo-phenol, aseptol, sennine, lysol, and others for which various advantages are claimed; but all are inferior to the thing itself as a general antiseptic, though some of them have certain special advantages.

In 1881 Koch created quite a stir in the scientific world by announcing his belief in the superior efficacy of corrosive sublimate as an antiseptic. But now after fifteen years of almost universal preeminence over all other agents, corrosive sublimate

has settled down to its proper place among the recognized antiseptics. True some authorities still place it at the head of the list, and claim for it high germicidal power, but a long series of experiments conducted at the Johns Hopkins Hospital resulted in the following limitation of the scope of bi-chloride as an antiseptic: 1—Under the most favorable conditions sublimate has the power to render inert a limited number of organisms. (It does not kill them). 2—The activity of the sublimate is directly affected by the proportion of albumen present in the culture medium. The consensus of recent opinion is that it is inhibitory but not destructive.

The quondam reputation of corrosive sublimate was founded primarily upon the dicta of Koch and other experimenters. But the conditions underlying their experiments as since shown by themselves were faulty, and the extravagantly high value placed on the substance was not to be sustained by the results of its clinical application.

It was not an object in this rather desultory sketch of the origin and development of antiseptics, to occupy the readers attention with even the more prominent among the great number of antiseptics in use, most of which have been introduced during the last few years.

The one which is finally to win the palm of perfection must do it in open contest with all its opponents, arrayed on equal footing in the clinical arena, with broad minded and unprejudiced scientific men as judges.

That we can now defy those subtle dangers that a few years ago held back the hand of the most daring surgeons from operations vital to recovery, and with perfect confidence invade regions that in pre-antiseptic days were barred to the most skillful knife, is due the increasing knowledge of the laws of Asepsis and Antisepsis.

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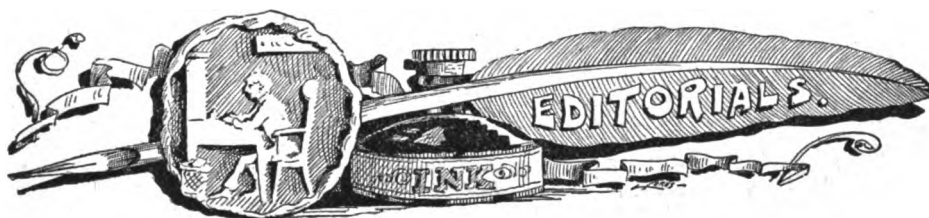
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SYPHILIDES.

The skin manifestations of syphilis are so numerous and undergo so many changes in the different stages of development and retrogression, that without the corroborative support of both subjective and objective evidence outside of purely cutaneous phenomena, diagnosis at times would be impossible. Besides, inherited and acquired pathological conditions or organic defects impress features on the disease which often mask its true character and render exact diagnosis a difficult task. The form of a syphilide depends upon the stage of the disease, the malignancy of the cause, intensity of its action, the peculiarity of constitutions, and hygienic behavior of the patient. The macular or papular form might end with this manifestation or from adverse conditions pass into other forms. Again, the idiosyncracies or environment of the patient may superinduce other pathological states which invite disease, and that added to the skin trouble constitutes a mixed disease in which the distinctive marks of both are lost and an eruption presented that

may well baffle the skill of the most accomplished diagnostician, hence to ascertain the nature of a cutaneous disease it is the imperative duty of the physician to understand the behavior of its pathology, while controlled or influenced by associated disorders. If a certain form of eruption is submitted for examination, it is necessary to ascertain by inspection of other parts of the skin, whether associated eruptions are similar or different in form, and whether different portions of the same eruption may not throw light on its origin. The subjective symptoms must be considered in connection with the objective phenomena. Pruritis is a dominating feature of some skin diseases. Syphilides, as a rule, do not itch. The deeper tissues are here involved in the inflammatory process, and in such cases there is usually no itching, but where the process is superficial pruritis follows as a result of peripheral nerve irritation. In a papular syphilide the infiltration is circumscribed and limited to the papillary bodies and underlying tissues. The raw ham color is due to extravasated red corpuscles, and the stains left after the subsidence of the local disease are due to an involution process or an increased deposit of pigment either in the exudation or connective tissue cells. When exudation is extensive we have a tubercular syphilide and the intensity of the cause may produce such an excess of exudation that it may crowd the blood vessels to such an extent as to cut off vascular supply to this part, when its death and destruction by ulceration follow as a uniform result. To constitute a syphilide we must have, 1st, a clearly defined and limited round cell infiltration into the corium and papillary bodies. 2d, These cells are not susceptible of higher organization such as the formation of connective tissue, but sooner or later pass away by fatty degeneration and absorption or ulceration. 3d, The retrograde changes commence in the center of the infiltration and gradually extend to the periphery in the order of age—the center being the first and the periphery the latest development. A syphilide is a secondary or tertiary polymorphous product of a syphilitic infection of slow development and retrogression with a tendency to recur, symmetrical in arrangement, variable in form, accompanied by pigmentation and without marked subjective symptoms. The secondary types appear generally in the following order: macules, papules, vesicles and pustules. Treatment, constitution and intensity of action of the cause may modify

these forms in appearance and change the order of their development—the first mentioned changing into the others or appearing first in the form they usually assume by transition stages. The pigmented, papulo-squamous and follicular forms are usually varieties of the above eruptions. The tertiary types are the tubercular and gummatous formations with the exception that the former in some instances may be classed among the secondary products. The treatment of syphilides is simply the treatment of syphilis. Most German authorities advise delay in specific treatment of syphilis, until the secondary manifestations are clearly developed. The French and many American and English authorities oppose this policy. The writer believes that every disease should be attacked with the most effective weapons as soon as its character is revealed. Syphilis should not form an exception to this rule. The sooner the attack is made the sooner the battle is ended. An enemy is more easily vanquished before he entrenches himself than afterwards. Mercury and iodide of potash are our leading therapeutic weapons. In the primary and secondary lesions mercury is indispensable. In the tertiary stage, to meet the tubercular and gummy formations, iodide of potash, either alone or in connection with mercurial treatment, should be advised. The details of this treatment must vary. Different preparations of these articles and different methods of using them will be required in different cases. The protiodide of mercury, as a rule, is the most efficient preparation of mercury, and will in most cases be best tolerated by patients. The nutritive functions should be judiciously supported with particular reference to morbid conditions and mixed forms of disease. Diet and exercise are important matters to be considered. The emunctories should be kept busy. Elimination should be second only to assimilation. Total abstinence from alcohol should in most cases be strictly enjoined. The treatment should be continuous until every trace of the disease is eradicated, and then should be intermittent for at least two years after every vestige of the disease has disappeared. The external treatment is of secondary importance, and will be governed by the extent and location of the eruption. When the face or exposed parts of the skin are seriously involved, these conditions must be met by proper local treatment. Sometimes an eczematous feature is added to the syphilide, causing excessive pruritis. This complication is best met with an ap-

plication of "Unguent Resinol," prepared by the "Resinol Chemical Company," of Baltimore, Maryland. The writer has witnessed its benefits not only in such cases, but in many forms of eczema and other pruritic eruptions. As a general rule, local treatment, except in the ulcerated forms of the syphilides, is unnecessary.

CARE OF INFANTS.

The fearful death rate among infants in all seasons of the year, is not due to a want of affection on the part of parents, or a lack of interest in their welfare, but to the inexcusable ignorance of mothers or nurses charged with their care. They do not understand the wants of these helpless innocents and therefore cannot properly supply them. They do not seem to realize that an infant is ushered into the world in an undeveloped state—that there can be but little difference in the degree of development of the infant just before and just after birth. Before birth the mother's organism supplies all the wants of the unborn child, but immediately after birth, this relation ceases, and the organs of the infant are suddenly called upon to minister to the wants of a separate existence. This sudden change of environment and assumption of new duties on the part of the infant organism involves perils that can only be averted by an intelligent understanding of the capabilities and needs of infant life. The mother should know that the stomach of an infant is no more developed and no more capable of performing the functions of an adult stomach than the arms and legs of the infant are capable of performing the duties assigned to the same members of the adult. The infant, when placed erect on his feet, unsupported by other means, falls to the ground. The adult, on the other hand, stands erect with ease, and in other ways demonstrates the usefulness of these members. Every movement they undergo is obedient to his will and minister to his daily wants. The skin of the infant is also in a partially developed state, requiring the greatest care to be kept in a healthy condition. It is seldom any unusual attention is bestowed on the quantity or quality of food allowed an infant. It is seldom the proper amount and proper quality of air are allowed. It is seldom that the temperature of this air is suitable to the sensitive organism of the infant. The clothing is often equally

wanting in adaptation to the needs of the infant. It is either too heavy or too light, often consisting of woolen fabric in the summer season, and cotton in winter. The bandage on the body is too tight or too loose. The diaper is allowed to remain on too long after being saturated with the infant's excretions. The chafed and scalded parts are often neglected or are badly dressed, and when the infant remonstrates in the only way he can by screaming, the mother thinks he is hungry, and applies him to the breast or crams the rubber nipple of a nursing bottle into his mouth to quiet him. The mother too often judges the wants of the infant by her own wants, and attempts to relieve them in the same way. She feeds her baby at the table from the same article of food used by the family. She gives her young baby fat meat, potatoes, bread and butter, and then is surprised if baby has colic or diarrhœa. Is it any wonder that an infant thus abused dies? Is it not strange that more do not die? The physician writes on the death certificate "cholera infantum," "cholera morbus," etc., as the cause of death. Why does he not say the mother's ignorance killed the child? It would seem often, the infant is about as well qualified to take care of the mother as the mother is to take care of her baby. And yet you can't enter the most miserable hut without seeing on the wall: "*What is Home without a Mother?*" A mother is undoubtedly a very useful member of society, but we hold to the belief that it is just as important that the mother should be instructed how to care for her infant as it is that the physician should be qualified to practice medicine. The State Health Boards are now very solicitous about the health of the people. Why not provide that a part of their duty shall be to examine all females contemplating matrimony, for the purpose of ascertaining their qualifications for the duties of maternity? If they are not qualified, do not allow them to enter this useful field of labor. In this way many more lives could be saved than by devoting all their time to formulating rules for the government of medical colleges. Digestive disorders cause a large proportion of deaths among infants. The infant requires a variety of diet as well as the adult, but instead of using fat meat, potatoes and cabbage as articles of food for infants, the mother should be taught that while the mother's milk is the natural food for her infant, it should be alternated with prepared food adapted to the undeveloped powers of infant digestion. Among such

preparations none compare with the "Imperial Granum Food" as an article of diet when judiciously used. Proper nourishment supplemented by hygienic aids would soon reduce the appalling death rate among our helpless darlings. It should be remembered that these precious infants furnish the material out of which men and women are made. The mental and physical character of our manhood and womanhood may depend largely on the care bestowed on infants. For this reason, if for no other, this subject is worthy of profound study.

MEDICAL COLLEGES AND STATE BOARDS.

The proposition to advance the standard of education required as a preliminary to the study of medicine, meets with favor among all the members of the profession without any reference to their relation to Medical Colleges. The result of such a policy would be to place the profession on a higher plane and multiply the sources of light from which the paths of progress may be illuminated. Instead of having, as heretofore, a few qualified to evolve new ideas and develop new principles, the main body of the profession would be able to contribute something to the general fund of medical science. The greater the number we have capable of studying and solving the problems of medicine, the greater the number of new truths will be added to the legacy of knowledge to be bequeathed to those who follow us in the noble work of relieving pain. All Medical Colleges of repute advocate the policy of higher preliminary attainments for students entering upon the study of medicine, the only debateable feature of this question relates to the method of inaugurating such a reform. It occurs to the writer that any method adopted should first possess the merit of *legality*. It matters not how much a reform is needed, it will not command the respect or support of law-abiding people unless it comes to them stamped with the seal of legality. The question to decide is whether a law enacted by a Legislature establishing a Board of Health confers upon this body plenary powers to formulate rules for the government of Medical Colleges and control the details of their work. If such powers are conferred they might be extended in their application to other branches of instruction, and to other institutions of learning. A Board

thus armed with unlimited powers might determine the qualifications of students for entering any of our Colleges. To justify such a procedure all the Boards would have to say would be the *health* of the people requires such action, and "you know we must look after that." While the members of a certain Board might be qualified and disposed to exercise discreetly the powers entrusted to them, still they are the creatures of the State Executive. He appoints them, and what assurance have the people that this officer, from political considerations, or to cancel, perhaps, a political obligation, may not appoint incompetent men as members of this Board? But it may be said a Governor of a State can be trusted to exercise such powers judiciously and in the interest of the people. To this we would say, the Governor of a State is a *politician*, if he were not he would not be a Governor, and how often do we find a politician who is not shrewd enough to reconcile HIS political interests with the interest of the people? It will readily appear, then, that incompetent and corrupt men might be chosen for these responsible duties, and do irreparable harm to the cause of education. If the Faculty of a College is qualified to teach the science of medicine and is competent to determine the qualifications of students for graduation, it should be capable of determining their qualifications for commencing the study of medicine. If selfish or improper motives are liable to unfit the members of a College Faculty for the work they have undertaken, the proper remedy for the State to adopt would be to require all graduates of Medical Colleges to undergo an examination by a State Board thoroughly equipped for this special work before granting them a license to practice medicine within the State's jurisdiction. The time to decide whether a man is competent to practice medicine, is when he offers his services to the public in that capacity. Any interference on the part of government with a student while pursuing the study of medicine is clearly an abridgement of personal liberty, and therefore illegal. A College has the right to adopt its own rules for conducting its work. It has a right to determine who is qualified and who is not, to be benefited by that work. If a student is not permitted by the Faculty to enter the College, it is because he has not complied with the rules of the College, which it had a right to adopt. Therefore his personal rights have not been invaded; but if he complies with the rules of the College and

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the College complies with the laws of the land, no government has a right to prevent him from entering and pursuing his studies in this College. The question of fitness can only come up when the student undertakes to practice medicine, and here the government has a right to step in and decide the question.

THE BARNES COLLEGE.

The Session of 1896-7 of this College opened on September 21st in the new building on Chestnut and Thirtieth Streets. Its friends are justly proud of the record it has made. With the most imposing structure of the kind west of the Mississippi river, and nearly 400 students already matriculated, and others coming every day, the future of this College is now assured. With all the appointments of a first-class College and its amphitheatres filled with the finest body of students in the land, there is no reason why it should not look forward to a long and brilliant career of usefulness. Its prestige rests on the character of its work, the high standard of preliminary education required of its students, and its unsurpassed facilities for didactic and clinical instruction. Such a College must succeed because it deserves success.

HEALTH RESORTS OF OLD MEXICO.

From an unpublished article entitled "From Laredo to the City of Mexico, thence West to Morelia and Patzcuaro, over the Mexican National Railroad and its Branches," by Dr. R. H. L. Ribb, Chief Surgeon of the road, who resided and practiced for many years in Saltille, and who is thoroughly familiar with health resorts in Mexico, the MEDICAL ERA is permitted to copy the following description of Monterey and Saltille, which, according to Dr. Bibb's writings, are two of the most noted, popular and beneficent localities for lung, bronchial, rheumatic, syphilitic and malarial troubles in the sister republic:

"Stepping out of the sleeper," the Doctor writes, "one is confronted with one of the gentlest, balmiest breezes, one of the brightest, bluest skies, and one of the grandest, most picturesque outlooks that ever delighted the soul of man. In front and all around stands Monterey, sometimes written Monterrey,

the "Mountain King," the "Chicago of Mexico," the Capital of Nuevo Leon, at the foot of the "Sierra Madre" mountains, one hundred and seventy miles away from the Texas frontier, and at an elevation of seventeen hundred feet, like a mighty sentinel guarding ingress into Mexico from the northeast. Northward, from the gently sloping declivity on which the city is built, the verdure of the plain beneath seems to mingle with the azure of the sky above. To the east the ærial head of the Saddle mountain juts high aloft, the Garcia and the Mitre mountains on the southwest, while the grand old 'Mother of Saws' to the South, with her jaggy summits looking upward into the 'vaulted canopy,' majestically presides over the lovely panorama below.

"Monterey is a rich, progressive city of 60,000 inhabitants (many of them refined and elegant), who are rapidly absorbing American ideas and customs from hundreds of permanent American residents living in the city, and from thousands of American tourists and invalids seeking health and a 'dolce far niente' life in the Aztec Republic, who annually find rest, repose and restoration in the genial suns and balmy breezes of this great health resort.

"There are four American physicians in Monterey, an excellent German drug store, an Episcopal, a Baptist, a Methodist, a Presbyterian and numerous Catholic churches and schools; five good American hotels, beautiful Alamedas, plazas, drives and promenades; delightful fruits and vegetables; excellent, tender, juicy meats, game and fish, and a supply of water from crystal spring and rippling mountain streams which is abundant, wholesome, pure and sweet. (Waterworks and a system of sewerage for the entire city is now under contract.)

"From the meteorological observations taken at the Civil College at Monterey for a Series of years, the following figures are taken, viz :

WINTER TEMPERATURE

Maximum	73.2 Fah.
Minimum	46.2 "
Average	57.1 "

SUMMER TEMPERATURE.

Maximum	102.3 Fah.
Minimum	46.2 "
Average	86.0 "

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BAROMETER.

Maximum	29.24 in.
Minimum	27.96 in.
Average.....	28.10 in.
Average relative humidity.....	66.3
Average yearly rainfall.....	38.22 in.
Average yearly amount of clouds.....	4.5
Average yearly rainy days.....	50.

Prevailing winds, N. E.

Four miles north of Monterey, to be reached by a splendid system of street car service under an American managership and ownership that is watchful of its patrons' comfort and safety, and which leaves the Mexican National Railroad Depot every twenty minutes, are the renowned 'Topo Chico Hot Springs,' the Baden-Baden of America, the virtues of whose waters, if Indian legends be worthy of belief, was known to the ancient Montezumas years before the Spanish Conquest, and while the Aztec dynasty yet reigned supreme throughout the greater part of Mexico—virtues which succeeding ages appreciate as attested by the fact that diseased from every nation and clime daily cleanse themselves in these healing pools.

"Topo Chico waters—very similar to those of the Arkansas Hot Springs—with a temperature of 106 degrees in the spring, 102 degrees in the bath tub, and an output of 68,000 gallons per hour, contain, according to the Mexican Pharmacopeia :

Hydro Sulphurous acid.....	0.010 per gallon.
Sodium Chloride.....	0.296 per gallon.
Calcium Chloride.....	0.040 per gallon.
Magnesium Chloride.....	0.076 per gallon.
Calcium Bicarbonate.....	0.100 per gallon.
Calcium Sulphate.....	0.416 per gallon.
Aluminium Silicate.....	0.108 per gallon.
Calcium Silicate.....	0.350 per gallon.

One may drink to repletion, for days and weeks, of these waters, and aside from the very copious perspiration which always follows, feel neither nausea nor other inconvenience ; but when a mixture of the same ingredients in the same proportion

is made and heated to a temperature of 106 degrees, a disgustingly nauseating compound results, thus proving that elements put together in nature's own laboratory, heated in her crucibles and distilled in alembic of her own choosing, possess properties not imparted to them when compounded by the chemist, however expert or learned he may be.

"The waters of Topo Chico, when properly used, as the writer can attest after many years of experience with them, are of singular efficacy in the treatment of gout, rheumatism, syphilis, Bright's Disease, hepatic and gastric troubles, uterine, nasal and vesical catarrh, chronic malaria, and many forms of skin disease.

An excellent hotel, close to the capacious bath-house, constructed of black marble found in large quantities and of the best building qualities in the mountains north of Topo Chico Springs, a monument to the energy, pluck and business acumen of a widowed American, who built, owns and operates it, thoroughly American in all its appointments, furnishes an elegant and comfortable home for the many invalids and visitors to this northern 'Bethesda.' "

Passing over the Doctor's description of the scenery between Monterey and Saltillo, to be seen only by those taking the local day train between the two points, he continues: "Saltillo, a little jump—'highlands of many waters,' 'the city of roses,' the place where Hidalgo, the author of Mexican independence, on his way to the United States in quest of aid for the struggle for liberty he had inaugurated, was betrayed and captured, now the Capital of the rich and prosperous State of Coahuila, on the Mexican National Railroad, two hundred and thirty-seven miles from the Rio Grande, with a population of 20,000 brave law-abiding, kind, industrious, hospitable, polite and sympathetic people, many highly enlightened and cultured, is located 5,500 feet above the sea, at the foot of the Buena Vista table lands, five miles north of the memorable battlefield of 'Buena Vista,' on a chalky, limestone plateau that gradually dips northward with a declivity of about six to eight feet per hundred, in a basin in the 'Sierra Madre' mountains, in Latitude 55 degrees, 25 minutes, 15 seconds north, and in Longitude 100 degrees, 29 minutes, 33 seconds west from Greenwich.

"The city, especially noted for the evenness of its temperature, and its excellent water supply, is supplied with two good

American hotels, excellent American physicians and drug stores, a Baptist, a Methodist, a Presbyterian and six Catholic churches with their schools and other institutions of learning. Its water supply, slightly impregnated with lime, furnished by a bold and limpid stream which bursts forth from the mountain side high above the city, and far away from all contamination, is cool, refreshing and inexhaustible. Its fruits and its flowers, its meats and its vegetables, its fish and its game, equal in savor, in wholesomeness, in variety and profusion, those of any other locality of like extension in America. Here it is that the fragrance of the rose mingles with the violet's sweet incense from January to December, and it is here where one's table may be supplied with the luscious strawberry from one's own garden 'the year round.'

"Meteorological observations, carefully taken at Saltillo for the past ten years, show for that period :

Average temperature	62.6 Fah.
Maximum	96.5 Fah.
Minimum.....	32.8 Fah.
Average barometrical reading.....	24.86 in.
Maximum	25.34 in.
Minimum.....	24.43 in.
Average relative humidity.....	59.
Maximum	99.
Minimum.....	11.
Prevailing winds.....	North.
Average velocity of wind	3.93 miles.
Maximum velocity of wind.....	41.50 miles.
Clouds, average amount	4.3
Rainy days, average say.....	66.10
Average rainfall.....	22.67 in.
Total rainfall	226.75 in.

These observations also show that the average temperature at Saltillo in January, the coldest month of the year, for the past ten years has been 52 degrees, Fah., and that the average July temperature, the warmest, has been 72 degrees, Fah.

Near Saltillo are several warm springs, of high repute among the natives for the cure of skin diseases, gout, rheuma-

tism, scrofula, malaria and syphilis, strongly impregnated with sulphur, iodine, bromine and arsenic, which could easily and with very little cost be developed into paying properties.

“Taking these geographical, topographical, sociological and meteorological facts into consideration, it will be easily seen that Saltillo, hidden away in its ‘mountain fastness,’ as it were, with towering peaks and enchanting scenery on every side, high above the ‘yellow fever line,’ and other epidemic influences, offers not only a safe and a pleasant refuge for the many over-worked and worn, and the numberless victims to lung, throat and bronchial troubles, fleeing on the one hand from summer’s heat and winter’s cold on the other, who constantly seek, and who are as constantly benefitted by her benign influences, but ideal facilities as well for a modern Sanitarium—facilities not surpassed and but seldom, if ever equalled on the American continent.”

Influence of Carbonic Acid on the Sexual Organs.

At a recent meeting of the German Society of Balneology (*Gaz. Hebdom. De Med. et De Chir.*, April 16, 1896), Dr. Schuster remarked that irritation of the skin produced by bathing in water containing carbonic acid was manifested by a sensation of heat and prickling, with redness, especially pronounced in the region of the genitals. This irritation, he said, was propagated centripetally, and gave rise to modifications in the nervous and vascular systems. As the sexual centers were not very deeply situated, the excitation readily reached both to the medullary center, (that of erection and ejaculation), and to the cerebellar center (that of imagination). The medicinal use of carbonic acid was indicated, therefore, in all cases of sexual debility not dependent on some organic disease, such as tabes, nephritis, or diabetes; it was directly contraindicated in spermatorrhœa and in the grave forms of paralytic impotence, but it might be of great service in precocious senile impotence. The use of carbonic acid in the form of baths, douches, etc., was indicated also in the anaphrodisia of women. It was of substantial benefit, too, in utero-ovarian neuralgia, in dysmenorrhœa and in amenorrhœa.



THE ENCYCLOPÆDIC DICTIONARY, a new, original and exhaustive work of reference to all English words, their origin, development, orthography, pronunciation, meaning and legitimate or customary use: being also a comprehensive encyclopædia of all the arts and sciences, with condensed encyclopædic definitions of 50,000 important words and topics, with numerous illustrations. Edited by Robert Hunter, A. M., F. G. S., and Prof. Chas. Morris, with the assistance of the following eminent specialists: Prof. Thomas H. Huxley, F. R. S.; Prof. Richard A. Procter; Prof. A. Estoclet; John A. Williams, A. B.; Trinity College, Orford; Sir John Stainer, Mus. Doc.; John Francis Walker, A. M., F. C. S.; T. Davies, F. G. S.; Prof. Seneca Egbert, M. D.; Medico-Chirurgical College, Philadelphia; William Harkness, F. I. C., F. R. M. S.; Marcus Benjamin, Ph. D., Smithsonian Institute, Washington, D. C., and one hundred others. The New York Newspaper Syndicate, 1896.

The utility of this great work will be realized when we understand its aims and exhaustive scope. It contains 180,000 English words or 40,000 more than any of the standard dictionaries now in use. But while it contains a fourth more words than its rivals, it has three times the number of pages, the surplus space being devoted to encyclopædic history. This book is therefore a consolidated form of dictionary and encyclopædia in which can be found the desired information not only concerning every English word in use at the present time but also any subject of interest to those engaged in the different pursuits of life.

It also possesses an advantage over all others in being of special value for reference purposes to *all classes* of people, embracing as it does information on every known subject. It is a small library in itself.

MANUAL OF THE BOTANY OF THE NORTHERN UNITED STATES. Including the district east of the Mississippi and north of North Carolina and Tennessee. By Asa Gray, late Professor of Natural History in Harvard University. Sixth edition. Revised and extended westward to the 100th Meridian, by Sereno Watson, Curator of the Gray Herbarium, Harvard University, and John M. Coulter, Prof. of Botany in Wabash College, assisted by Specialists in certain Groups. With twenty-five plates, illustrating the sedges, grasses, ferns, etc. New York, Cincinnati, Chicago; American Book Company.

The above manual contains a complete description of all the plants found in the Northern section of the United States with 25 plates illustrating prominent characters. In front of each plate a leaf of explanations of the different genera is inserted. The Analytical key to the orders and the arrangement

of the orders are well calculated to facilitate the work of the student in this important branch of science. The contents are as follows: Preface, Synopsis of the Orders, Analytical Key to the Orders, Explanations of Abbreviations of Author's Names, Explanations of Signs, Flora, Additions and Corrections, Table of Orders, Glossary, Index and Plates with explanations.

THE LAW OF PSYCHIC PHENOMENA, A Working Hypothesis for the Systematic Study of Hypnotism, Spiritism, Mental Therapeutics, etc., by Thomas Jay Hudson, L. L. D. Tenth Edition. Chicago, A. C. McClurg & Company. 1896.

It would be difficult to find more interesting subjects for discussion than those treated by the author of the above book, and it would be equally difficult to find such subjects presented in a more philosophical and attractive light. The reader may not agree with the author in many of the conclusions he reaches, but he will be reluctant to put the book back on his shelf until he has read every word it contains. As a well written and entertaining book it has few equals and should find a place in every library. The contents are presented in the following order: Introductory, Duality and Suggestion, Reasoning Powers of the two Minds Differentiated, Perfect Memory of the Subjective Mind, Subjective Memory, Perception of the Fixed Laws of Nature, Effects of Adverse Suggestion, Hypnotism and Mesmerism, Hypnotism and Crime, Psycho-Therapeutics, A New System of Mental Therapeutics, The Phenomena of Spiritism, The Physical Phenomena of Spiritism, Phantasms of the Dead, Suspended Animation and Premature Burial, Practical Conclusions and Suggestions, The Physical Manifestations and Philosophy of Christ, The Spiritual Philosophy of Christ, The Mission of Christ, Future Awards and Punishments, Reductions from Various Attributes of the Soul.

A SCIENTIFIC DEMONSTRATION OF THE FUTURE LIFE. By Thomas Jay Hudson, L. L. D. Second Edition. Chicago, A. C. McClurg & Company. 1896.

The Author, in his book on "Psychic Phenomena," investigated the laws governing the occult problems of life and succeeded in separating them from the domain of superstition. In this equally interesting volume his object is to classify these so-called mysteries and utilize them as evidence of a future life and immortality of the soul. The reasoning of the Author is unassailable and his conclusions will be accepted by the

thoughtful reader. The contents are as follows : Introductory, Defectiveness of the old Arguments, Spiritism and Hypnotism, Spiritistic Phenomena, Ancient Psychic Phenomena, The Advent of Jesus, The Intuitive Perception of the Truth, Psychic Phenomena of Primitive Christians, Modern Psychic Phenomena, Has Man a Soul, Duality Demonstrated by Anatomy, Duality Demonstrated by Evolution, The Distinctive Faculties of the Soul, Faculties Belonging to a Future Life, The Dynamic Forces of the Mind, The Affectional Emotions of the Soul, Practical Conclusions, Logical and Scientific Conclusions.

KEIL'S MEDICAL, PHARMACEUTICAL AND DENTAL REGISTER-DIRECTORY AND INTELLIGENCER, With Special Medical, Pharmaceutical and Dental Departments, containing Detailed Information of Colleges, Hospitals, Asylums, Societies, with street lists, etc., etc. For Pennsylvania, New York, New Jersey, Maryland, Delaware and District of Columbia. Fourth Edition. George Keil, Editor. Philadelphia, Burk & McPetridge Co., Publishers, 306 Chestnut street. 1896.

This book will prove convenient and useful to physicians of every section as well those who reside in the territory covered by it. It contains a roster of examining surgeons appointed under authority of the Commissioner of Pensions, Medical Corps of the Navy, Medical Associations of the United States, Medical Societies, Medical Laws, and Miscellaneous Institutions as well as the names of all the physicians in the States above mentioned.

CELEBRATED CRIMES. By Alexander Dumas, in three volumes. Illustrated. Boston, Joseph Knight Company. 1896.

The study of crimes from a medico-legal standpoint is incumbent on every member of the Medical profession and along such lines of investigation nothing more instructive or interesting can be found than the above volumes. As every thing offensive to good taste has been eliminated by the translator, they can be read and enjoyed by the most fastidious patrons of literature.

THE PREMIER AND THE PAINTER, A Fantastic Romance by I. Zangwill. Chicago and New York, Rand McNally & Co.

To those who have a taste for romantic and thrilling episodes in the different strata of social life and have leisure time for the enjoyment of such literature, this book will be found interesting.

CHECKED THROUGH, MISSING TRUNK No. 17580, A story of New York City Life, by Richard Henry Savage, Author of "My Official Wife," "The Masked Venus," etc. Chicago and New York, Rand, McNally & Company.

Contents as follows: Book I. A Father's Forebodings, Madeline's Awakening, Counselor Bashford weakens, A Modern Portia, The Junior Partner. Book II. The Old, Old Story, The Yoke of Tammany, The Flitting of Portia, In the Lone House by the Lagoon, Missing. Book III. The Congressman's Marriage, Hounded Down, Lost! Trunk No. 17580, The Manhattan Storage Company's Auction, A Millionairess Detective, On the Small Book at the Tombs.

GEORGE'S MOTHER, By Stephen Crane, Author of "The Red Badge of Courage," "The Black Riders," etc. Edward Arnold, Publisher, 70 Fifth Avenue, New York City. Price 75 cents.

WHITE APRONS, A Romance of Bacon's Rebellion, Virginia, 1676. By Maud Wilde Goodwin, Author of "The Head of a Hundred," "The Colonial Cavalier," etc. Boston, Little, Brown & Co. 1896.

Contents as follows: Penelope, In Camp, Flag of Truce, Hearts of Gold, A Trader, Montague and Capulet, The King's Commission, Laodiceans, The Valley of the Shadow, Vengeance, The Trial of Bryan Fairfax, Penelope's Pilgrimage, Over Seas, The Lions of London, Three Letters, Penelope Goes to Court, A Private Interview, A Foy, April Twenty-third.

Medicine, Theology and Finance.

Medical men are often placed in a position of difficulty in regard to charges for professional services to clergymen. Many clergymen expect gratuitous attendance, and many doctors decline fees for services rendered to them unless they are in a good position.

Dealing with this question in a paper read before a local medical society, Dr. H. Campbell Black, of Glasgow, gave utterance to sentiments which will meet with the approval of most doctors. He said: My distinct impression is that poverty and suffering never appeal in vain to the worthy disciple of the old man of Cos; but I distinctly fail to see why, because a man is a clergyman, he is entitled to sponge, particularly on a young and poor practitioner of medicine. In my opinion—I submit it with all humility, especially in the city of Glasgow,

the clergyman in receipt of over £1,000 per annum is grossly overpaid; and as a rule clergymen are the most pampered members of the community. Every now and again do I notice the presentation of £400 or £500 pounds to some clergyman, especially one with his comfortable £1,000 per annum, to enable him to go and take a four or five months holiday, after a series of fierce encounters with Beelzebub, or of his having a pecuniary jubilee or semi-jubilee. When did you ever hear of a poor hard-wrought doctor ever receiving a £5 note from the public if run down in health? Of course, the money is ostensibly given to our friend, 'the parson, to strengthen the faith (and if anything can do this, money will) by a run to the "Holy Land."—Medical Times and Hospital Gazette.

Milk in the Treatment of Bright's Disease.

The Charlotte Medical Journal (Am. Med. Rev.) credits Dr. Sapelier as saying: Milk is both the food and the remedy par excellence for Bright's disease. During the acute or sub-acute stage of the disease it should be used exclusive of all other articles of diet. During the entire course of the disease milk should constitute the chief liquid food. We need not here recall the fact that milk is a complete food; neither need attention be called to its chemical composition. It is only necessary to remark that three litres of milk are sufficient to nourish a man completely, even when engaged in light work: * * * In the majority of cases we may prescribe, at the beginning of treatment, two litres of milk, adding an additional litre when the patient feels in need of it.

Milk may be taken boiled or unboiled, hot or cold, according to the convenience and taste of the patient. Raw milk is generally better digested than boiled milk. Milk should be taken regularly every two hours, in the proportion of six to ten ounces or more, according as the total quantity in twenty-four hours is to be two or three litres.

The dose of milk should be taken slowly, in small swallows, so that the clots formed in the stomach may be as small as possible. For cow's milk, which is generally employed, we may, as required in individual cases, substitute, in whole or in part, the milk of the goat or the ass, also kephir or kumyss. If

the taste of milk is very repugnant to the patient, it may be flavored with orange water or some other agreeable flavor. It is unnecessary to employ for this purpose brandy or other alcoholic liquors.

All the efforts of the physician should be directed to making the patient and his friends understand that milk is the essential basis of the treatment. Without milk there is no prospect of health, and, as we have been obliged to say, sometimes it is "milk or death."

Treatment of Epilepsy.

Viewed from the standpoint of a neurologist, the present status of the surgical treatment of epilepsy is formulated as follows Dr. F. Peterson (N. Y. Med. Jour.):

1. In about one per cent. of all cases of epilepsy an injury to the head will be found to be the original cause.

2. In a much larger percentage an old meningeal hæmorrhage, congenital or acquired in infancy, giving rise in addition to the epilepsy, to various degrees of paralysis, idiocy or other cerebral symptoms, and presenting, on examination, brain atrophy, sclerosis and cysts as sequelæ to the primary lesion, will be ascertained to be the cause.

3. In the present state of our knowledge and experience, those cases due to meningeal hæmorrhage should not be operated on at all.

4. In the very small number of cases having injury to the head as a cause, the epileptic habit is so strong and the changes in the brain are usually so old and deep-seated, that an operation, as a rule, does not cure and only seldom permanently diminishes the frequency of the attacks.

5. Of miscellaneous traumatic cases, where a surgical procedure seems justifiable and is undertaken, a cure may be reasonably expected in, perhaps, four out of every hundred cases operated upon.

6. The removal of a cicatrix from the cortex supposed to be the epileptogenic nidus, will naturally be followed by the formation of the new cicatrix in the surgical wound, and is scarcely a defensible procedure.

7. The more recent the injury the greater will be the promise of lasting benefit. If a hundred cases epilepsy could

be selected in which the trauma dated but a few months back, trephining and ablation of the morbid tissues would, doubtless, prove curative in a very large percentage of cases.—*International Journal of Surgery.*

Hot Baths in Chlorosis.

An authority upon the subject (as quoted in the *Am. Jour. of Surg. and Gynec.*) says: The primary affection in chlorosis is not the deficiency of iron or red corpuscles, but contraction of the blood vessels, which is followed by the morbid condition of the skin: he was led to employ hot baths and gentle friction of the skin to increase its vitality and nutrition. His success was marked. Hot baths diminish the plethora by relaxing the tension of the vascular system, which is high, quickening the circulation, and thus relieving the palpitation, dyspnoea and other symptoms.

Arsenic in Gastralgia.

(*Lancet.*)—Sir Jas. Sawyer. The diagnosis of gastralgia should neither be lightly made nor negligently maintained, but pain arising in the stomach when the organ is empty and relieved by the ingestion of food is almost diagnostic of its nervous nature and origin. He employs a twenty-fourth of a grain of arsenious acid made into a pill with two or three grains of some tonic vegetable extract, such as gentian, three times daily half way between meals. Scarcely any other treatment is necessary in cases of moderate severity, and the use of the remedy should be continued for some weeks. He has usually found a full and varied dietary suit gastralgic patients far better than a restricted dyspeptic regimen.

Treatment of Epistaxis.

Gillette (*New York Medical Journal*) recommends the use of hydrogen dioxide in cases of bleeding at the nose. He uses a teaspoonful or more in full strength with any ordinary syringe. Relief is obtained immediately. In operations in the nasal cavity, when bleeding obscures the vision, inject hydrogen dioxide. Ask the patient to blow the nose and the field is clear again.—*Canadian Practitioner.*

THE PUBLISHER'S DEPARTMENT.

Dr. Milner Fothergill wrote: "The combination (Fellows Hypophosphites) is an excellent one—the best yet made, to my knowledge. It is a happy thought. It is a good all-round tonic, specially indicated when there is nervous exhaustion. It is readily digestible, and has given much satisfaction in my experience of it."

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P. N. de Dubeoay, M. D., F. R. C. S., of Tallulah Falls, Rabun Co., Ga., Sept. 22nd, 1896, writes:

I have used Papine. Bromidia & Iodia extensively in my practice, and expect to continue doing so, as these preparations undoubtedly are of great value. I have found your Iodia specially useful in cases of Menstrual disorder, generally and as an Alterative. Papine must of necessity come into vogue with the general practitioner relieving pain as it does without unpleasant after effects. It was of great value to me in treating the pain in a female suffering with (incurable) Cancer.

OXFORD, PA., July 24th, 1896.

Mr. S. H. Kennedy:—Dear Sir: Your remedies are certainly par excellence in diarrhoea, especially the *old army diarrhoea* as I treated an old soldier with it who told me that he had tried all the professors in Philadelphia and New Jersey, and never till I gave him your "Quercus Alba" did it tell him any thing, and I have had quite a run on Chronic diarrhoea of Army life.

Yours etc.,

D. A. STUBBS M. D.,

Graduate of the Jeff. Med. Coll. Philadelphia, Pa. Class of 1876.

Indigestion—Eructations—Dyspnoea.

Dr. Alfred E. Meyer says he has been using "Maltine with Wine of Pepsin" at the New York Polyclinic, and also at the West Side German Dispensary in his Gynecological Clinic with signal advantage with women who are suffering from chronic indigestion, and he also gave it a trial in his private practice. One patient, a lady who had for years had frequent attacks of indigestion, received so much benefit from its use that he decided to report the case.

The attacks usually came on about an hour after eating, the symptoms being great distention of the abdomen, and a feeling of soreness and dyspnoea. The attack usually lasted from one to two hours. She had been put on various methods of treatment, not only on different preparations of pepsin and pancreatin, but also on dietetic treatment without any marked or permanent benefit. After beginning the use of "Maltine with Wine of Pepsin"—a small wine-glass full after each meal—she did not have another attack. The remedy was continued and there appears to have been an entire mitigation of the disagreeable condition under which she had labored for so long, and this too without any special reference as to change of diet. It was noticed that in taking a dose at the beginning of the treatment there were repeated eructations of gas and the uncomfortable symptoms were relieved in a very short time.

Dr. Meyer says he thinks that the combination of "Maltine with Wine of Pepsin" is a very happy one.

Driving lamp all O. K. One of the best night companions ever met.—Chas. S. Cross, Auburn, N. Y.

About eight weeks since, I was called to see a patient of Dr. L.'s, we found her with excruciating pains in the hepatic region, constant vomiting with distress in stomach, in fact could keep nothing down for a couple of days. Enlarged liver easily felt below the costal margin, very sensitive, so much so that we strongly suspected malignant disease. The symptoms were discouraging decidedly as the doctor had given her nearly every medicine used in hepatic diseases without relief. I suggested "Peacock's Chionia," it was given and she began to

improve, and at this date is as well as usual. It certainly was an efficient remedy in her case, and the result deserves recording.—F. W. Bathrick, M. D., Battle Creek, Mich.

Pain Relieved With Utmost Safety.

Albert M. Williams, A. M., M. D., of Bradford, Pa., says: "I have used antikamnia in my practice since its first introduction and used it extensively. At first I was a little cautious and a little apprehensive, and I rarely ventured on larger doses than five grains; but for several years I have given it in ten and fifteen-grain doses to adults and when needed, repeating every hour or two hours. I have rarely been disappointed in controlling pain; if the pain was of a character to be controlled by medicine. In severe neuralgia or any severe form of pain, my method is to prescribe ten grains to be given every hour till the pain ceases. I seldom use morphia or opium in any form. I have seen so many unfortunate victims of the opium habit that I shun its use, and antikamnia is my sheet anchor. The effects of opium and its alkaloids too, are most disagreeable to many people. I always suffered untold misery when I had taken even a small dose of morphia; itching and nausea especially continuing for about two days. There is none of this following the use of antikamnia, and I have never heard of a victim of the antikamnia habit. I have yet to see the first case where any alarming symptoms have followed its administration. I have for a long time been in the habit of prescribing it in a little larger doses than are recommended and any bad results from its use must be due to some idiosyncrasy on the part of the patient."

Notes on "Zymotoid."

An exchange calls attention to this preparation, manufactured by Dr. W. B. Arnold, of Rockford, Ills., as follows: This new remedy, which is offered to the profession at large on an absolute guarantee that it will do the work claimed for it, or it will cost the physician nothing (except express charges) for a trial gallon, is meeting with remarkable favor and commendation, as is evidenced by the subjoined report, to-wit:

Dr. J. H. Norris, Metropolis, Ill., writes: "I have used the Zymotoid in diphtheria with as good success as has

been reported by those using 'Antitoxin,' and it is a hundred times cheaper and entirely without danger. It is equally useful in all forms of chronic ulceration. I cured a case last October of chronic indolent ulcer of the leg of thirty years standing, my wife's father, over seventy years old, farmer. This was the most stubborn case I ever saw. I could do nothing with it until I wrote for Zymotoid.

Toothache.

A satisfactory remedy for the relief of this unfortunately common ailment is always acceptable. Dr. Gills, of Briancon, has reported to the Societe de Therapeutique de Paris, as quoted in the Therapeutic Gazette, that he has rapidly relieved toothache due to dental caries by means of an antiseptic solution, with which the mouth is to be washed out four or five times. His formula is:

Boiled hot water, 4 parts.

Van Swieten's solution, 1 part.

Any tooth wash, q. s. to correct taste.

As Van Swieten's solution is merely a 1 to 2,000 solution of bichloride of mercury in water with a very small proportion of alcohol, the mouth wash is simply a hot, aromatized 1 to 10,000 solution of bichloride.—New Orleans Medical and Surgical Journal.

The Calomel Treatment of Hemorrhoids.

Dr. H. Naegeli-Akerblom (*Allgemeine medicinische Central-Zeitung*, 1896, No. 64; *Therapeutische Wochenschrift*, August 16, 1896) acting on the suggestion of Professor Massini, of Basel, has treated a number of cases of hemorrhoids, large and small, internal and external, with an ointment composed of one part of calomel and nine parts of vaseline, and states that in none of them has he felt obliged to operate. In most cases the itching subsides completely. The suggestion is made that the calomel is changed into corrosive sublimate and acts as a caustic, and consequently should be used with caution if there is ulceration.



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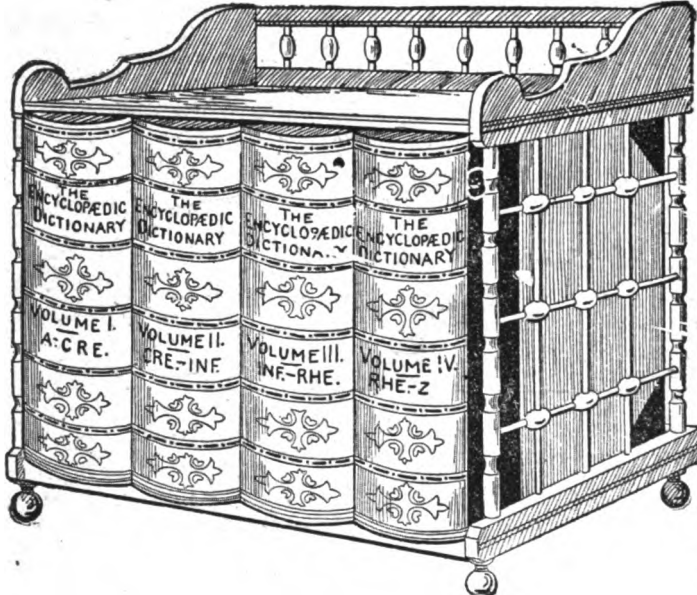
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Hyperidrosis.

The *Revue internationale de medecine et de chirurgie* for August 25th, states that M. Henser has employed the following mixtures with successful results :

R	Formic acid.....	5 parts
	Chloral	5 parts
	Alcohol	89 parts
	Balsam of Peru	1 part

M. This mixture is applied with a tampon of cotton. In generalized hyperidrosis it is well to spray the skin with it.

When the localized sweating is particularly rebellious, M. Henser adds trichloracetic acid to this mixture in the proportion of one per cent. For combating sweating of the feet in soldiers he recommends the employment of a one or two per per cent. solution of trichloracetic acid. Unfortunately it has the inconvenience of changing the color of any material with which it comes in contact.

Iodine in the Thyroid Gland.

Prof. Bauman (*Hoppe-Seyler Zeitschrift fur Physiologische Chemic*) reports as the results of his experiments with, and tests of the thyroid gland, and its products, that he isolated a principle—a peculiar, organic iodine compound—which he believes to be the active constituent of the gland. It is an amorphous, brownish substance, which is decomposed by heat with evolution of pyridine vapors. Almost insoluble in water; somewhat soluble in alcohol; easily soluble in weak alkaline solutions from which it may be precipitated by acids. When heated with a concentrated solution of soda it is gradually decomposed. It has no albumin reaction, but contains an organic compound of phosphorus (0.4-0.5). Repeated concentration and purification yields an article representing nearly 10 per cent. of iodine. As the percentage of phosphorus does not increase with concentration of the extract it is evidently not connected with the iodine compound.

From the tests made by Dr. Roos in the laboratory of Prof.

Bauman it was found that those preparations which proved clinically active contained large quantities of iodine, while those known to be inert and also those prepared by boiling with concentrated solution of soda, were free from iodine or had only a faint iodine reaction.

The human thyroid gland contains an organic principle identical with that found in the sheep's gland and in about the same quantity. Strumæ also have an iodine reaction, but the quantity is much smaller than in normal glands.

In the thyroid gland of the hog the iodine compound is found in much smaller quantity than in the human or sheep's gland. The gland of the ox has no iodine reaction.

Since the curative effects of the thyroid gland are shown to reside in an iodine compound, many well-known facts will appear in a new light. We have now the reason why the results are much quicker when treating with thyroid gland or its products than with the older iodine preparations. The introduction of iodine into the system only influences the formation of a substance which is produced in the normal thyroid gland while the administration of the gland itself brings that substance already prepared for the metamorphosis. We have to do in this case, not with the action of iodine or its salts, but with the formation of that special organic iodine compound.—Pittsburg Medical Review.

The Treatment of Pneumonia Without Drugs.

Dr. Elmer Lee, of Chicago, has discarded the use of drugs entirely in the treatment of pneumonia. In their place he has substituted treatment by the use of water in various ways. Recently he has employed a sprinkle bath. A fountain syringe, containing water of a temperature below that of the body, is hung on the wall, and used to sprinkle the patient. These baths are given every three hours throughout the day. At the same time large quantities of water are given by the mouth, and also by irrigation of the large intestine. Pneumonia patients treated by scientific hydropathic measures are convalescent at the end of the first week, and complete recovery in a proportionately shortened time. Dr. Lee considers this method the quickest, surest and best in pneumonia.—Modern Medicine.

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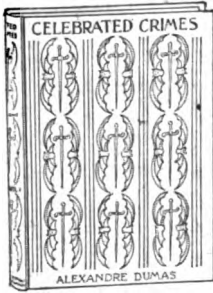
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In the article treating on inhalations of eucalyptus in cases of diphtheritis (Berlin Klin. Wochenschrift, 1879, No. 21), by Prof. Dr. Mosler, Director of the Medical Clinic of the University at Orléans, it is stated: "The oleum eucalypti folies, I employed in my tests, I received through Hols & Chelins, Frankfurt-on-the-Main; it must not be mistaken for the more frequently offered oleum eucalypti australe, which is obtained from the wood of the eucalyptus tree. This latter oil is used commonly for mechanical purposes, and has a far cheaper price; is, however, no longer employed by me as internal medicament."

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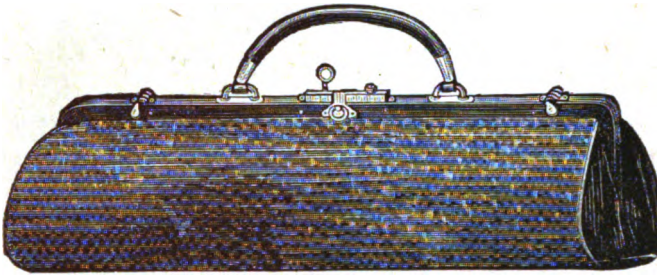
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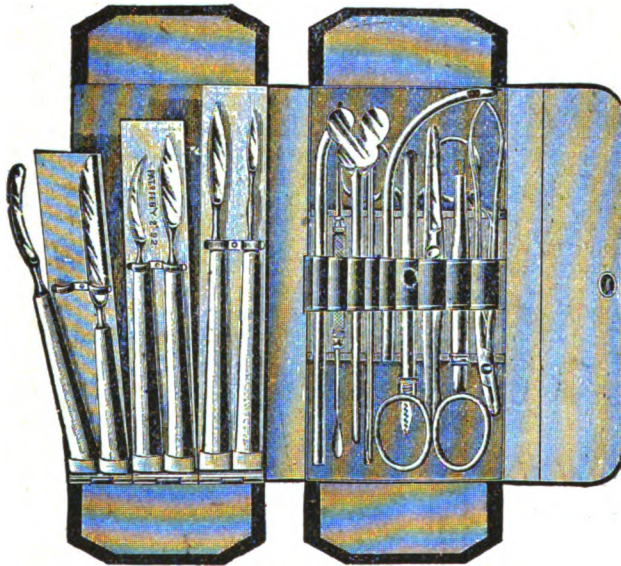
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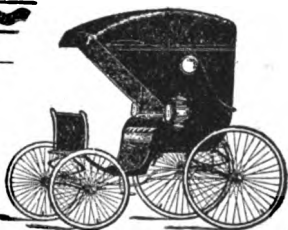
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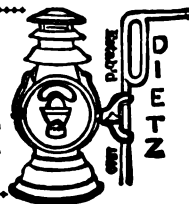
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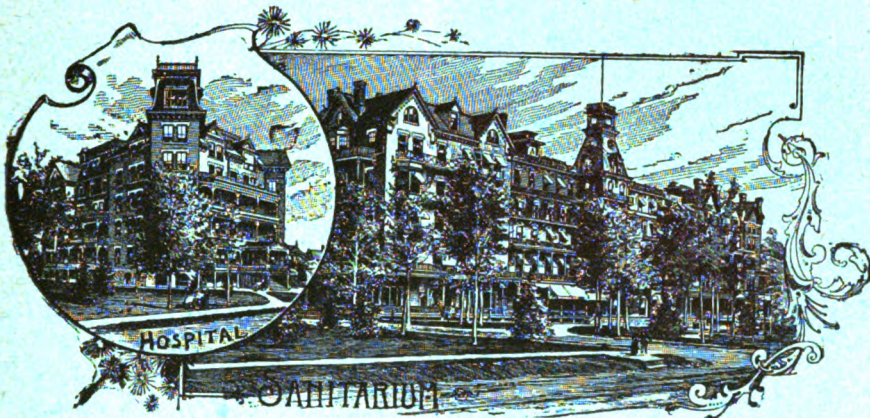
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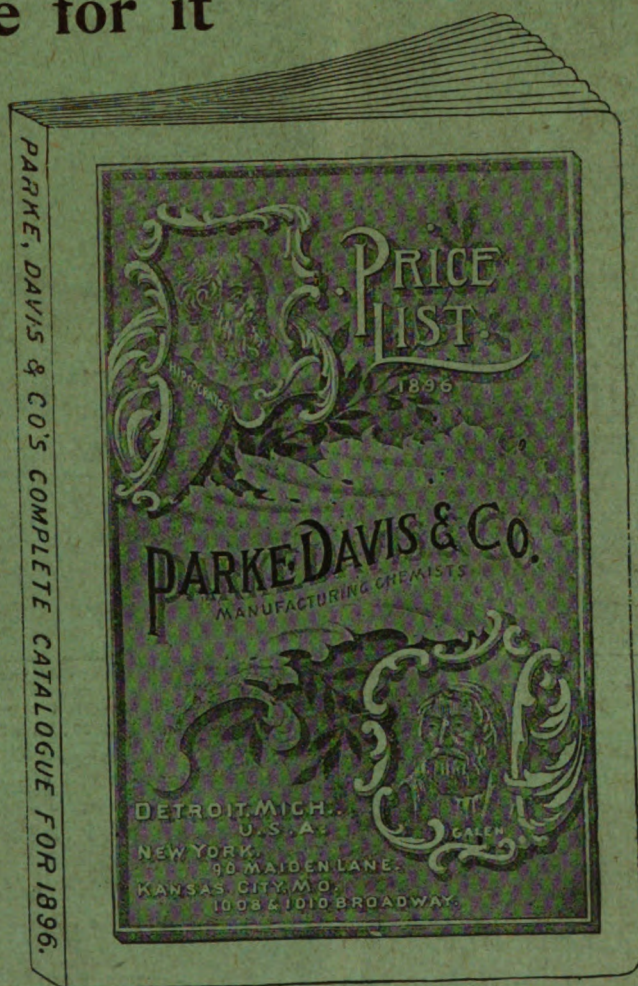
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